

Drawing Sheet 1 of 3

Title: SYSTEMS FOR TYPE-INDEPENDENT SOURCE CODE EDITING
Inventors: Piehler et al.
Appl. No.: Unassigned
Docket No.: BEAS-01439US1
Express Mail Mailing Label No.: EV 386 446 507 US
Telephone No.: 415-362-3800

100

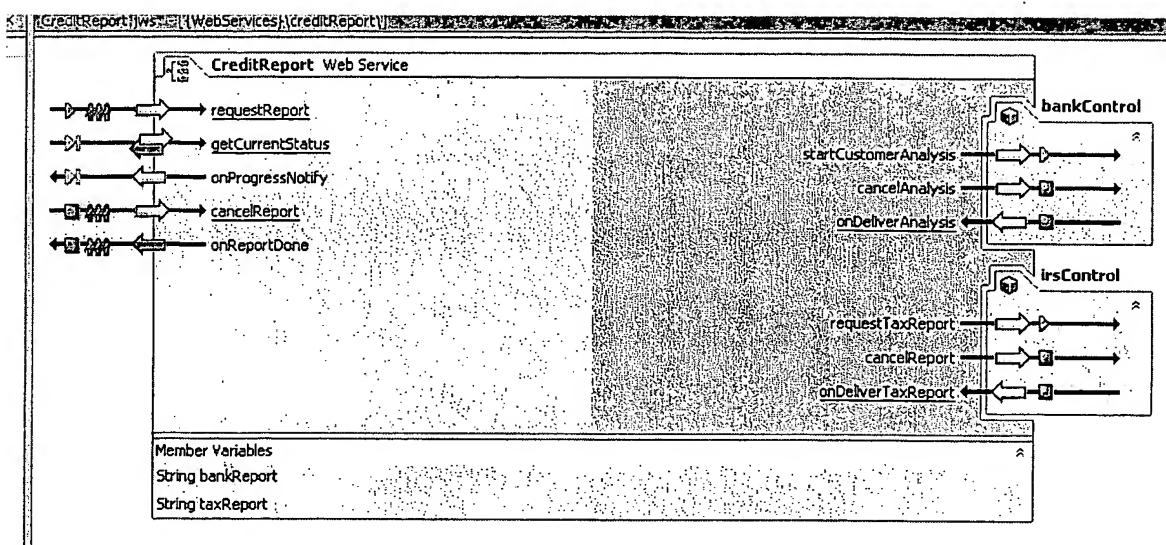


FIG. 1

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 Inventors: Piehler et al.
 Appl. No.: Unassigned Filing Date: Herewith
 Docket No.: BEAS-01439US1 Attorney: Stephen R. Bachmann
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200

```
CreditReport.jws*1 [{WebServices}\creditReport]
package creditReport;

import weblogic.jws.control.JwsContext;

<**
 * <p>Credit reporting service. This service simulates constructing
 * a credit report from multiple secondary sources of information.
 * It uses two external services, one representing a bank and the
 * other representing the Internal Revenue Service (IRS).</p>
 *
 * <p>The <b>jws:conversation-lifetime max-idle-time</b> tag controls how
 * long a conversational instance of this service will survive without
 * seeing activity.</p>
 *
 * <p>Conversations represent resources: they shouldn't be left around.</p>
 *
 * <b>jws:conversation-lifetime max-age="1 hour" max-idle-time="30 minutes">
*>
```

```
public class CreditReport
{
  /**
   * @common:control
   */
  private creditReport.IRSControl irsControl;

  /**
   * @common:control
   */
  private creditReport.BankControl bankControl;

  /** @common:context */
  JwsContext context;

  /**
   * <p>ReportResult is an inner class used to represent a complete
   * credit report. It is used to return report responses to
   * the client.</p>
   *
   * <p>Inner classes that are used outside the parent class
   * MUST be declared "public static" and they MUST have
   * a public no-argument constructor.</p>
   */
  public static class ReportResult implements java.io.Serializable
  {
    public String bank;
    public String tax;

    public ReportResult() { }
```

FIG. 2

Drawing Sheet 3 of 3

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300

```
index.jsp [(WebApp)\Biographies]
--Generated by Weblogic Workshop-->
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<% page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ page import="java.util.List,java.util.ArrayList,java.util.Iterator,databinding.DataBean" %>

<%
    if(request.getAttribute("dataBean") == null)
    {
        DataBean bean = new DataBean();
        ArrayList selectOptions = new ArrayList();
        selectOptions.add("Frodo");
        selectOptions.add("Gandalf");
        selectOptions.add("Samwise");
        ArrayList selectDefaults = new ArrayList();
        selectDefaults.add("Frodo");
        bean.setSelectOptions(selectOptions);
        bean.setSelectionDefaults(selectDefaults);
        request.setAttribute("dataBean", bean);
    }
%>

<html>
<head>
<netui:base/>
<link href="../resources/css/style.css" type="text/css" rel="stylesheet"/>      <title>
    Index
</title>
</head>

<body style="margin:0">
    <jsp:include page="/resources/jsp/header.jsp"/> <br/>

    <table width=100% align=left border=0>
        <tr>
            <td width=5>
                &ampnbsp
            </td>
            <td width=296 valign="top">
                <netui:image url="../resources/images/gollum5.jpg" height="158" width="294" />
            </td>
            <td valign="top">
                <p><b>Learn More About the Lord of the Rings Characters</b></p>
                <blockquote>
                    <p>&ampnbsp</p>
                    <netui:form action="/selectedCharacter">
                        <p>Select a character, then click Go!</p>
                    </netui:form>
                </blockquote>
            </td>
        </tr>
    </table>
</body>
</html>
```

FIG. 3